

Title (en)

AQUEOUS COATING COMPOSITION AND COATED ARTICLE

Title (de)

WÄSSRIGE BESCHICHTUNGSZUSAMMENSETZUNG UND BESCHICHTETER ARTIKEL

Title (fr)

COMPOSITION DE REVÊTEMENT AQUEUSE ET ARTICLE REVÊTU

Publication

**EP 4242271 A1 20230913 (EN)**

Application

**EP 21889232 A 20211104**

Priority

- JP 2020185953 A 20201106
- JP 2021040585 W 20211104

Abstract (en)

Provided is an aqueous coating material composition to form a fluororesin coating on a metal substrate such as copper foil without causing a problem of powder falling. The aqueous coating material composition containing fluororesin particles (A) that can be melt-molded, further containing a binder resin (B), a non-fluorinated surfactant (C) and water (D), wherein the binder resin (B) has a weight loss of 55% or more at 400°C measured under conditions at 10°C/min under N<sub>2</sub>, and is contained at a ratio of 10 mass% or less relative to the total solid content of the coating material composition.

IPC 8 full level

**C09D 5/00** (2006.01); **C09D 7/20** (2018.01); **C09D 7/61** (2018.01); **C09D 7/62** (2018.01); **C09D 7/65** (2018.01); **C09D 127/12** (2006.01); **H05K 1/03** (2006.01)

CPC (source: EP KR US)

**C08K 3/36** (2013.01 - KR); **C08K 5/06** (2013.01 - EP); **C08K 9/06** (2013.01 - KR); **C08L 27/18** (2013.01 - EP); **C09D 5/024** (2013.01 - EP KR); **C09D 5/16** (2013.01 - US); **C09D 7/20** (2018.01 - EP KR US); **C09D 7/45** (2018.01 - EP); **C09D 7/61** (2018.01 - US); **C09D 7/62** (2018.01 - EP KR); **C09D 7/65** (2018.01 - EP US); **C09D 7/69** (2018.01 - EP KR); **C09D 127/12** (2013.01 - KR); **C09D 127/14** (2013.01 - US); **C09D 127/18** (2013.01 - EP US); **H05K 1/03** (2013.01 - KR); **C08F 214/262** (2013.01 - EP); **C08K 3/36** (2013.01 - EP); **C08K 9/06** (2013.01 - EP); **C08L 2205/03** (2013.01 - EP); **H05K 1/0353** (2013.01 - EP); **H05K 1/0366** (2013.01 - EP); **H05K 2201/015** (2013.01 - EP); **H05K 2201/0154** (2013.01 - EP); **H05K 2201/0212** (2013.01 - EP); **H05K 2201/029** (2013.01 - EP)

C-Set (source: EP)

1. **C08F 214/262** + **C08F 216/1408**
2. **C08K 5/06** + **C08L 27/18**
3. **C08L 27/18** + **C08K 5/06** + **C08L 83/12**
4. **C09D 127/18** + **C08K 5/06** + **C08L 29/04** + **C08L 83/12**

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4242271 A1 20230913**; CN 116390994 A 20230704; JP 2022075611 A 20220518; JP 2022125043 A 20220826; JP 7089210 B2 20220622; KR 20230096106 A 20230629; TW 202233771 A 20220901; US 2023287236 A1 20230914; WO 2022097679 A1 20220512

DOCDB simple family (application)

**EP 21889232 A 20211104**; CN 202180074932 A 20211104; JP 2021040585 W 20211104; JP 2021180039 A 20211104; JP 2022092685 A 20220608; KR 20237018541 A 20211104; TW 110141327 A 20211105; US 202318309940 A 20230501